

species is of critical importance; therefore, the significance of the Person County portion of the aquatic habitat should not be overlooked or downplayed.

PROTECTION AND MANAGEMENT: This site is designated North Carolina public waters. However, despite its great biological significance, it has no official protection, such as High Quality Water or Outstanding Resource Water designation.

Existing point sources need to be maintained or modified to ensure the continued integrity of this aquatic habitat. In particular, chlorine and other toxic substances should be removed from all discharges and biological oxygen demand lowered to the minimum possible. Non-point sources of pollution and sedimentation also need to be controlled, including runoff from cultivated fields, clearcuts, construction sites, and impervious surfaces.

In order to be effective, water quality protection is needed not only for the reach that contains the significant biological resources, but should also be considered for all reaches upstream. Point and non-point sources of pollution, such as toxic spills, discharges from wastewater plants, and runoff from agricultural fields, clearcuts and impervious surfaces, occurring in headwaters have impacts not only on the portions of the streams they feed directly into, but also as far downstream as the water flows.

RARE PLANTS (Granville County portion): harperella (*Ptilimnium nodosum*).

RARE ANIMALS (Person County portion): yellow lampmussel (*Lampsilis cariosa*), Carolina fatmucket (*Lampsilis radiata conspicua*), chameleon lampmussel (*Lampsilis* sp.), creeper (*Strophitus undulatus*), eastern creekshell (*Villosa delumbis*); Watch List – American eel (*Anguilla rostrata*), pinewoods shiner (*Lythrurus matutinus*). [The following additional rare species are known from the Granville County portion: Neuse River waterdog (*Necturus lewisi*), Roanoke bass (*Ambloplites cavifrons*), dwarf wedgemussel (*Alasmidonta heterodon*), triangle floater (*Alasmidonta undulata*), Atlantic pigtoe (*Fusconaia masoni*), notched rainbow (*Villosa constricta*), North Carolina spiny crayfish (*Orconectes carolinensis*).]

REFERENCES:

Smith, I.K., H.E. LeGrand, Jr., S.P. Hall, Z.E. Murrell, C.W. Nordman, and M.P. Schafale. 1993. Regional Inventory for Critical Natural Areas, Wetland Ecosystems, and Endangered Species Habitats of the Albemarle-Pamlico Estuarine Region: Phase 3. A/P Report No. 92-21. N.C. Department of Environment, Health, and Natural Resources.